

FILE COPY

Mail to:  DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>2745-2</u> (office use only )
	Hydrologic Unit <u>10120109</u>
	Basin <u>Upper Cheyenne</u>
	Newspaper <u>Rapid City Journal</u> <u>605 394-8300</u>

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JAN 27 2016

WATER RIGHTS  
PROGRAM

## Application For Permit To Appropriate Water Within The State Of South Dakota

## Check use(s) of water:

- |  |  |  |  |
|--|--|--|--|
| <input type="checkbox"/> Municipal                         | <input type="checkbox"/> Water Distribution System | <input type="checkbox"/> Recreational    | <input type="checkbox"/> Institutional |
| <input type="checkbox"/> Rural Water System                | <input type="checkbox"/> Commercial                | <input type="checkbox"/> Fish & Wildlife | <input type="checkbox"/> Geothermal    |
| <input checked="" type="checkbox"/> Domestic (over 18 gpm) | <input checked="" type="checkbox"/> Industrial     | <input type="checkbox"/> Other           |  |

Type of Application:  
(check one)

- ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
- ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. \_\_\_\_\_
- ☐ Amendment/Correction to Permit No. \_\_\_\_\_

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Water Permit Croell Redi MixMailing Address P.O. Box 1352

(Address)

Sundance

(City)

WY

(State)

82729

(Zip Code)

Phone 307-283-2221

Mobile \_\_\_\_\_

Email kyle.frisinger@croell.com

2. Amount of water claimed 0.33 \*CFS or 19.6 \*\*GPM and 6.4M \*\*\*AF or 6.4M Gallons

Flow rate and volume are both required. (\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*)Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply Deadwood Formation

4. Location of point of diversion 1 well in NE1/4SW1/4 Section 9 T1S R7E County Pennington

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☒ Yes ☐ NoIf "Yes," where will water be used? See attachment

(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Pennington County6. Annual period during which water is to be used Use is expected year around, with less use in winter months.

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

This application is for construction of a new water well for industrial use (primary) and domestic use (secondary). The domestic use would be for livestock watering for the property. The industrial use would be for water used on a limestone crushing plant operation including dust control on plant and roads within property site. The Closest water well is 1,742 ft to the west. That water well is owned by Bear Country, water right 1450-2, and is drilled into the Deadwood formation.

I, Kyle Frisinger Aggregate Mgr., the applicant, certify under

Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

Croell Redi Mix  
Application for Permit to Appropriate Water with State of South Dakota  
Attachment 1

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4. Location of point of diversion 1 well in NE1/4SW1/4 Section 9 T1S R7E County Pennington

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above?

Yes

If "Yes," where will water be used? : S1/2NE1/4; SE1/4NW1/4; that portion of NE1/4SW1/4 Lying N of Hwy 16; that portion of SE1/4 lying N of Hwy 16 Section 9, T1S R7E. That portion of S1/2NW1/4 lying west of 16; that portion of SW1/4 lying N and W of Hwy 16 Section 10, T1S R7E Pennington County SD.



## Supplemental Information

(type or print)

### 1. Well Information

(check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled ☐ Yes ☒ No Drilled by \_\_\_\_\_  
(if yes, please provide copies of logs)
- b) If existing wells, how many \_\_\_\_\_ Provide copy of log(s), if available. Drilled by \_\_\_\_\_

For either Existing or Proposed Wells:

- c) Well Depth (required) 1150ft Depth to Top of Water Bearing Material \_\_\_\_\_ Depth to Water from Surface \_\_\_\_\_
- d) Distance to nearest domestic well on applicant's property 0 ft Property owned by others 1,742 ft

### 2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) \_\_\_\_\_
- b) System Capacity (gallons ) \_\_\_\_\_ Year Constructed \_\_\_\_\_
- c) Connected to the City of \_\_\_\_\_ Sanitary System

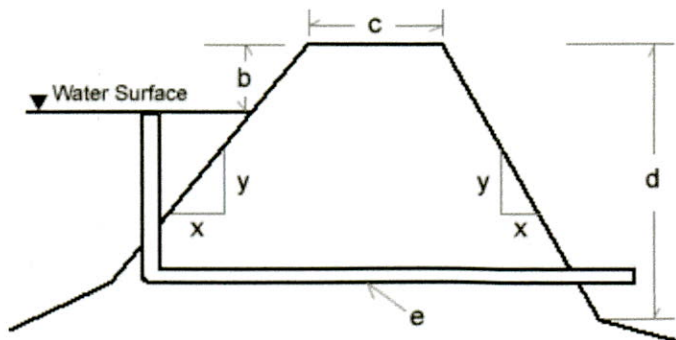
### 3. Dugout Information

- a) Surface Dimensions \_\_\_\_\_ Depth \_\_\_\_\_
- b) Depth to water (ground surface to water level) \_\_\_\_\_

### 4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard \_\_\_\_\_
- c) Crest Width \_\_\_\_\_  
Crest Length \_\_\_\_\_
- d) Height \_\_\_\_\_
- e) Primary Outlet Capacity \_\_\_\_\_  
If pipe, diameter \_\_\_\_\_
- f) Secondary Spillway Capacity \_\_\_\_\_  
Spillway Width \_\_\_\_\_
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_
- h) Surface Area of Impoundment \_\_\_\_\_
- i) Storage \_\_\_\_\_ Acre Feet
- j) Drainage Area Above Dam \_\_\_\_\_ Acres

**Croell Water Well      1 well in NE1/4SW1/4 Section 9 T1S R7E**  
**Anticipated Use**

<b>Months</b>		<b>Use</b>	<b>Days</b>	<b>Consumption</b>
Jan	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
Feb	Domestic	2,500 g/d	28 =	0.07 Mgal
	Industrial	15,000 g/d	28 =	0.42 Mgal
Mar	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
April	Domestic	2,500 g/d	30 =	0.075 Mgal
	Industrial	15,000 g/d	30 =	0.45 Mgal
May	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
June	Domestic	2,500 g/d	30 =	0.075 Mgal
	Industrial	15,000 g/d	30 =	0.45 Mgal
July	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
Aug	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
Sept	Domestic	2,500 g/d	30 =	0.075 Mgal
	Industrial	15,000 g/d	30 =	0.45 Mgal
Oct	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
Nov	Domestic	2,500 g/d	30 =	0.075 Mgal
	Industrial	15,000 g/d	30 =	0.45 Mgal
Dec	Domestic	2,500 g/d	31 =	0.0775 Mgal
	Industrial	15,000 g/d	31 =	0.465 Mgal
<b>Total Domestic Use</b>				<b>0.9125 Mgal</b>
<b>Total Industrial Use</b>				<b>5.475 Mgal</b>
				-----
<b>Total Use</b>				<b>6.3875 Mgal</b>







# Croell Redi-Mix

Application for Water Right Non-irrigation Use

01/20/2016

## Legend

-  Bear Country Water Well
-  Croell Ownership
-  Designated Entry Point
-  S Hwy 16

Bear Country Water Well

2,140 ft

1,742 ft

760 ft

400 ft

Croell Proposed Water Well

Section 9 T1S R7E Pennington County

Google earth

N

2000 ft